

Prediction for Diagnosing Liver Disease in Patients using Machine Learning Models

In recent years, Liver disorders have increased rapidly and it is considered to be a very fatal disease in many countries like – Egypt, Mongolia, Cambodia etc. There is a lot of data on patients who undergo medication or medical examinations at the hospital and this is information that must be extracted so that it can provide information for future improvement conditions, meaning that past data can be used as a prediction basis for liver disease in patients. This is very beneficial for medical personnel and also for patients if they experience symptoms that match the symptoms felt by a patient. So, for early detection of liver disease, an automated program is needed to build with more accuracy and reliability. Specific machine learning models are developed for this purpose to predict the disease. In this paper, the methods of Support Vector Machines (SVM), Decision Tree (DT) and Random Forest (RF) is proposed to predict liver disease with better precision, accuracy and reliability.

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